TUTCO HEATING SOLUTIONS GROUP | FARNAM CUSTOM PRODUCTS

Electrification

Manufacturer of coffee roasters savors the benefits of electrification
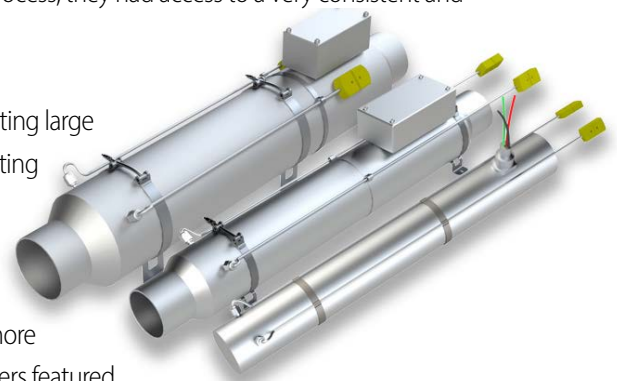
A range of industries are looking to electric heat to enhance and improve their processes and applications. One client who manufactures very large coffee roasters was looking for a solution that would allow them to eliminate the need for gas burners. Not only was there a safety concern for outgassing taking place in the roasting process, they had access to a very consistent and cost-effective supply of hydro-electric power.

Using our line of Flow Torch™ heaters, which are highly efficient and ideal for heating large airflows, we were able to electrify this large coffee roasting process by implementing our 4", 6" or 8" Flow Torches based on the size needed for each particular roaster.

Cost-effective and controllable

An added benefit of using our Flow Torch™ products was the ability to achieve more precise temperature control throughout the process. Unlike gas, our electric heaters featured controllers that made programming far more accessible and customizable. They also minimized the need for human interaction in the process. Temperature set points could be programmed for the various stages of the roasting process, like ramp and soak, to deliver more precise and consistent results.

Electrification can offer many advantages over gas-fired heating solutions. As we strive to create processes that are fossil-free and sustainable, we can provide solutions, like those used in the coffee roasting application, that are cost efficient and highly controllable.

Advanced Closed-Loop System Controller

Models

30 AMP Controller	**Model F078216**
60 AMP Controller	**Model F078217**

Features

- Solid state power controller SSR type
- 1/16 Din PID temp controller
- ON/OFF switch
- Power ON LED
- Reset button
- Emergency stop button (E-stop)
- 3-Pole circuit breaker with door mounted operating handle - LAN connectivity
- High limit temp controller for low airflow
- Local/Remote operation switch
- Custom options are available per request

The closed-loop control panel solutions from TUTCO SureHeat, combines the latest advances in heater controls and safety features with a digital high limit temperature controller. The new Solid State SSR Type controllers are ideal for industrial facilities and as OEM solutions. Available in multiple voltage options, they meet all required industry safety standards and add LAN connectivity through an ethernet port for critical systems communications. The controller features an illuminated start button, a stop button, an illuminated over-temp alarm button, and an e-stop button that provide local control from the front of the unit. The Temperature Controller is simple to implement and easy to operate with quick start codes, automatic help text and custom text messages.

LEARN MORE

Many custom options and configurations are available, Contact sales for more information.

Feature Video
TUTCO Farnam's new Pressure Torch™

Pressure Torch™ heaters are highly efficient and ideal for heating large airflows. Developed in three graduated sizes, this platform is an evolution of our popular Flow Torch product line and is available as a standard product with several wattage and voltage options. It is deal for medium pressure (up to 150PSI) blowers. The Pressure Torch provides minimal obstruction to airflow (low pressure drop), support high volume air flow (up to 2000SCFM), and can heat air up to 482°C (900°F). It connects via flange fittings.

WATCH THE VIDEO

SOUTHEAST THERMAL SYSTEMS

WWW.SETHERMAL.COM   SALES@SETHERMAL.COM   phone: 704-399-4248